

## ABSTRACT

A selector 301 select one a directional signal  
corresponding to a group to which a transmission  
signal belongs on a path-by-path basis. A despread-  
5 302 provides despreading to an output signal of the  
selector 301. A RAKE combiner 305 provides RAKE  
combing to a despread signal, and a determining  
device 306 provides temporary determination to the  
signal subjected to RAKE combing. A re-spread-  
10 spreads a replica signal subjected to temporary  
determination. A divider 309 divides replica signals  
on a path-by-path basis to correspond to the  
directivity selected by the selector 301. Adders  
310-1 and 310-2 add the replica signals divided by  
15 the divider 309 on the directivity-by-directivity.  
This makes it possible to cancel interference in  
combination with an array antenna and to reduce the  
number of calculations and the circuit scale as an  
entirety of the apparatus.